

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 11-101994

(43)Date of publication of application : 13.04.1999

(51)Int.Cl.

G02F 1/17

(21)Application number : 09-263848

(71)Applicant : SONY CORP

(22)Date of filing : 29.09.1997

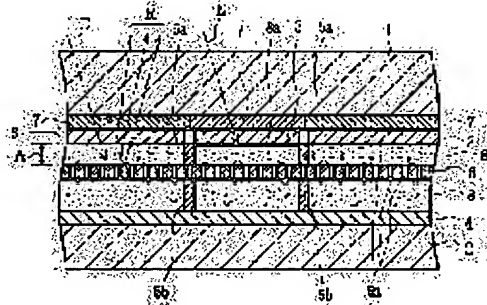
(72)Inventor : MATSUTE MASATAKA
UKO TORU

(54) PICTURE DISPLAY DEVICE OF ELECTRODEPOSITION TYPE

(57)Abstract:

PROBLEM TO BE SOLVED: To realize an electrodeposition (ED) type picture display device utilizing deposition of silver on a transparent working electrode and dissolution of the silver from the electrode.

SOLUTION: A silver salt soln. 8 is arranged between the transparent working electrode 3 made of ITO and a counter electrode 4. An unit cell corresponding to a pixel is separated from each other by partition walls 5a, 5b. A porous white background plate 6 in which large number of minute holes 6a are provided is arranged at intermediate position of the respective unit cells. The white background plate 6 is arranged with small space A, ≤ 0.5 mm, for example, with the working electrode 3 in order to reduce parallax between the working electrode 3 and the plate as possible and further sufficient quantity of the silver salt soln. 8 is made to be storable behind the white background plate 6. A micro color filter 7 is arranged to respective unit cells to display color image. Gradation display is executed by controlling voltage for driving respective unit cells, thereby corresponding to full colorization.



LEGAL STATUS

[Date of request for examination]

05.12.2003

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

BEST AVAILABLE COPY